



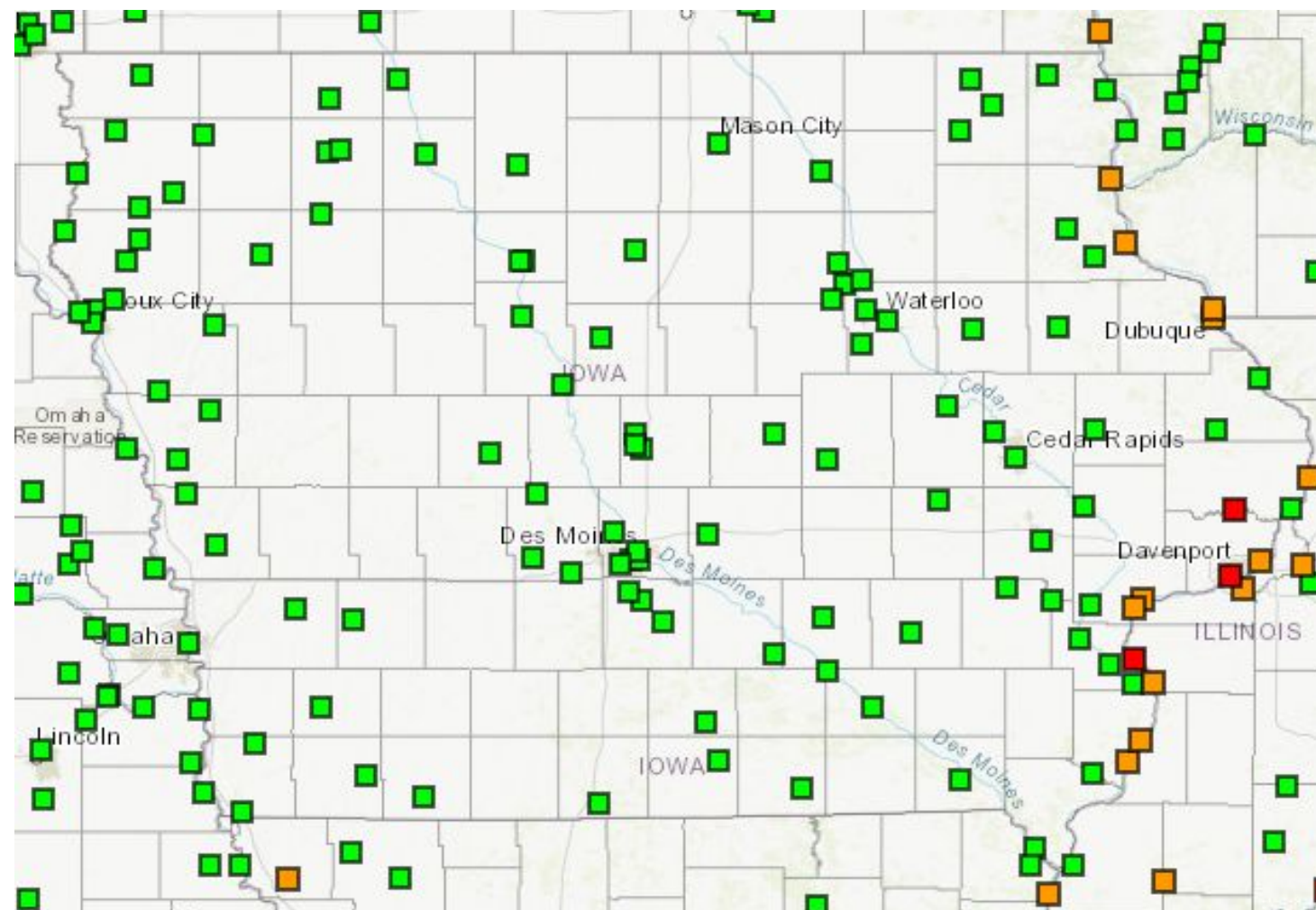
Spring 2023 Flood Outlook for Iowa

February 9, 2023
12:50 PM

Overview

Key Messages

- Above normal spring flood threat for the Mississippi River. Near to below normal threat elsewhere.
- Future weather—including amount, frequency and extent of precipitation as well as rate of snowmelt—can be big factors in any potential spring flood threat.



Map showing flood risk from February through April

Next Update None scheduled at this time. The first spring flood outlook text product will be issued by NWS offices serving Iowa on February 9, 2023.





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February 9, 2023
12:50 PM

Spring Flood Element Checklist

Below is the spring flood element checklist as of early February. The individual elements appear on the following slides. Note that future weather—including amount and timing of precipitation as well as rate of snowmelt—can be a big factor in any spring flood threat. Heavy precipitation, rain on snow and a rapid snow melt will increase the risk. Little precipitation or a slow snow melt will lessen the risk. Ice jams are a minimal risk this year, but there may be some localized issues.

Note: this is the threat assessment as of February 9, 2023.

Element	Impact on Potential Spring Flooding	Link to Image
River levels	Neutral	USGS WaterWatch
Soil moisture	Neutral to decreased risk	CPC Soil Moisture Percentile
Snowpack/liquid equivalent	Neutral to decreased risk; increased risk for the Mississippi River	Snow Water Equivalent Analysis
Frost depth	Neutral	Frost Depth Map
Monthly temperature outlook	Neutral	CPC Outlook
Monthly precipitation outlook	Neutral to increased risk	CPC Outlook

For your reference, here are links to the current [Drought Monitor](#) as well as the [Seasonal Drought Outlook](#).



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February 9, 2023
12:50 PM

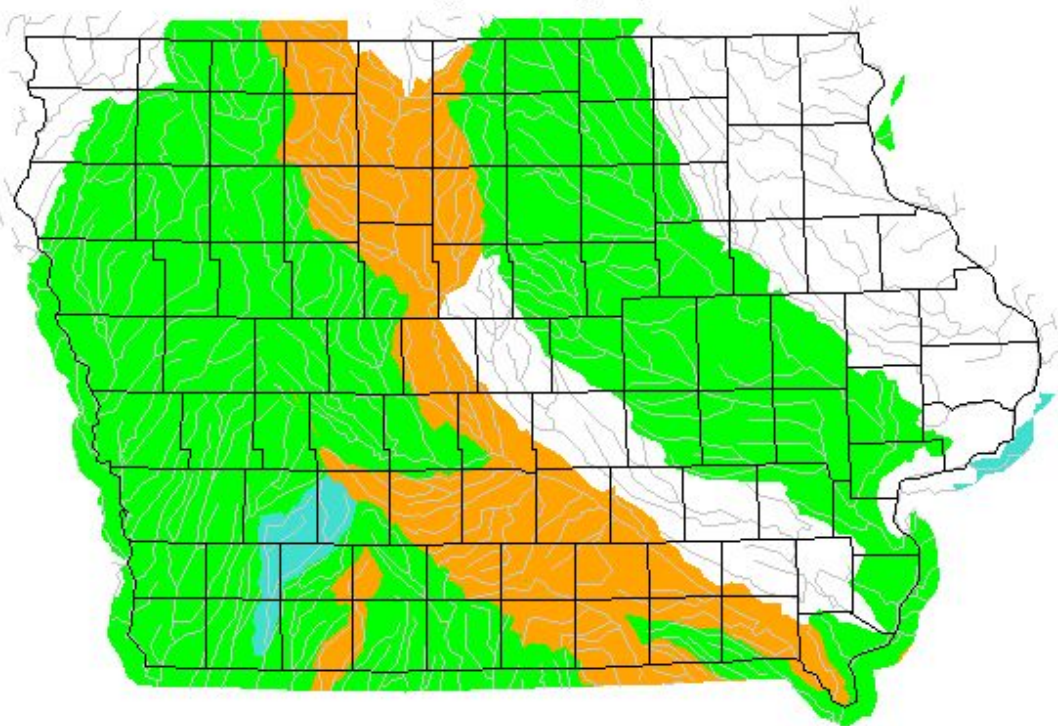
River levels and soil moisture

Below are the current river level and soil moisture percentiles.

Note: this information is current as of February 9, 2023. It may change going forward.

River level percentiles

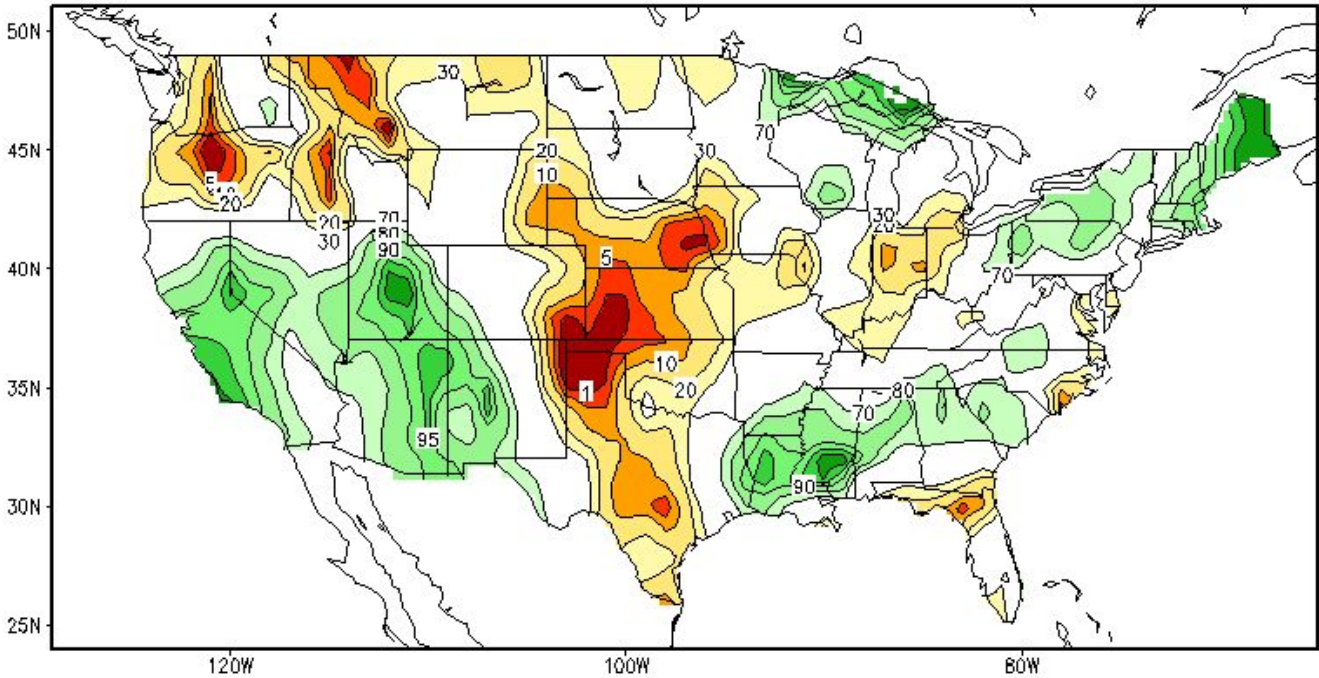
Wednesday, February 08, 2023



Explanation - Percentile classes							
Low	<10	10-24	25-75	76-90	>90	High	No Data
	Much below normal	Below normal	Normal	Above normal	Much above normal		

Soil moisture percentiles

Calculated Soil Moisture Ranking Percentile
FEB 08, 2023





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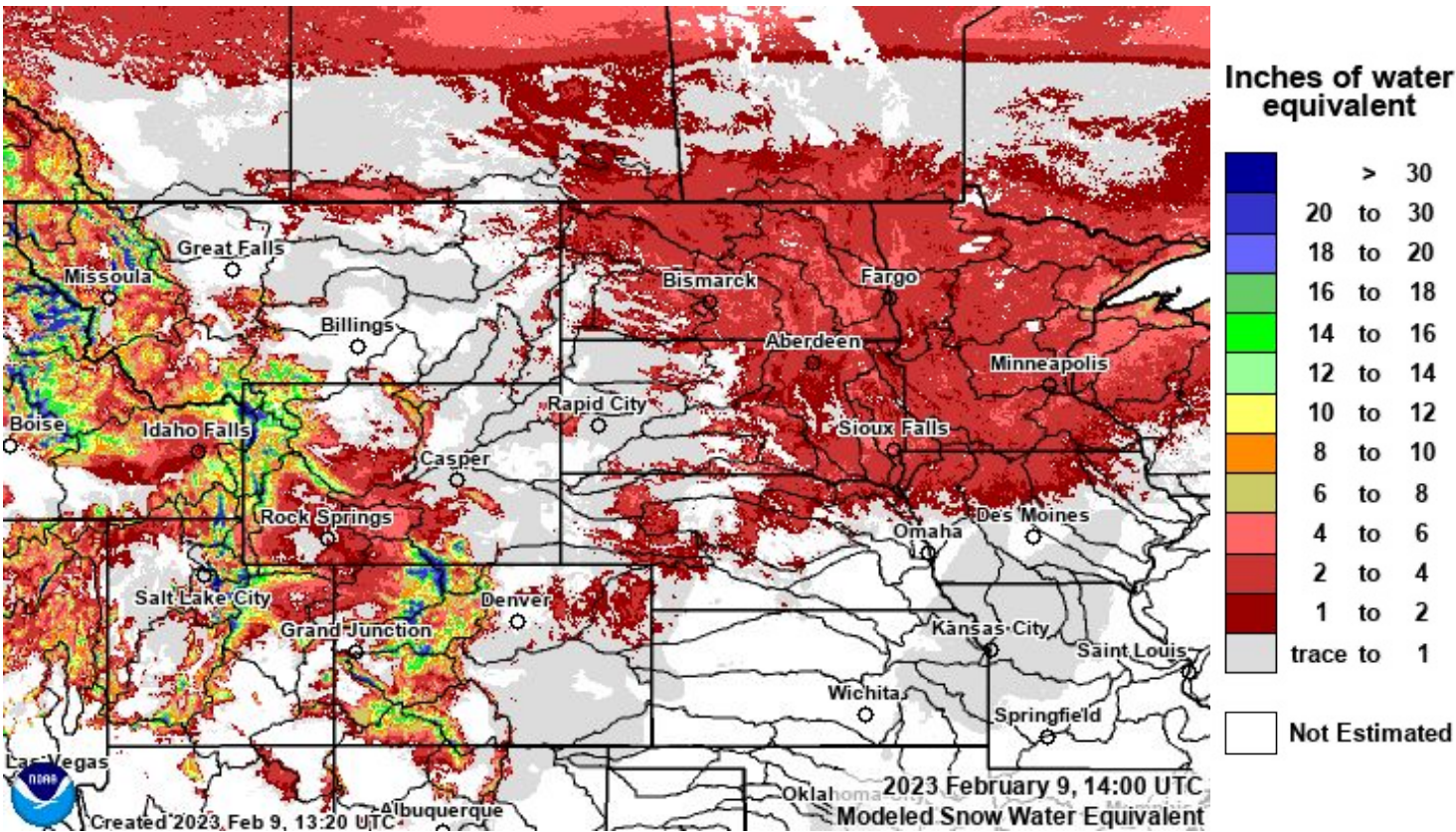
February 9, 2023
12:50 PM

Snowpack and frost depth

Below is the current snowpack and frost depth information.

Note: this information is current as of February 9, 2023. It may change going forward.

Current snowpack (snow water equivalent)



Frost depth





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February 9, 2023
12:50 PM

Monthly temperature and precipitation outlooks

Below are the current monthly temperature and precipitation outlooks.

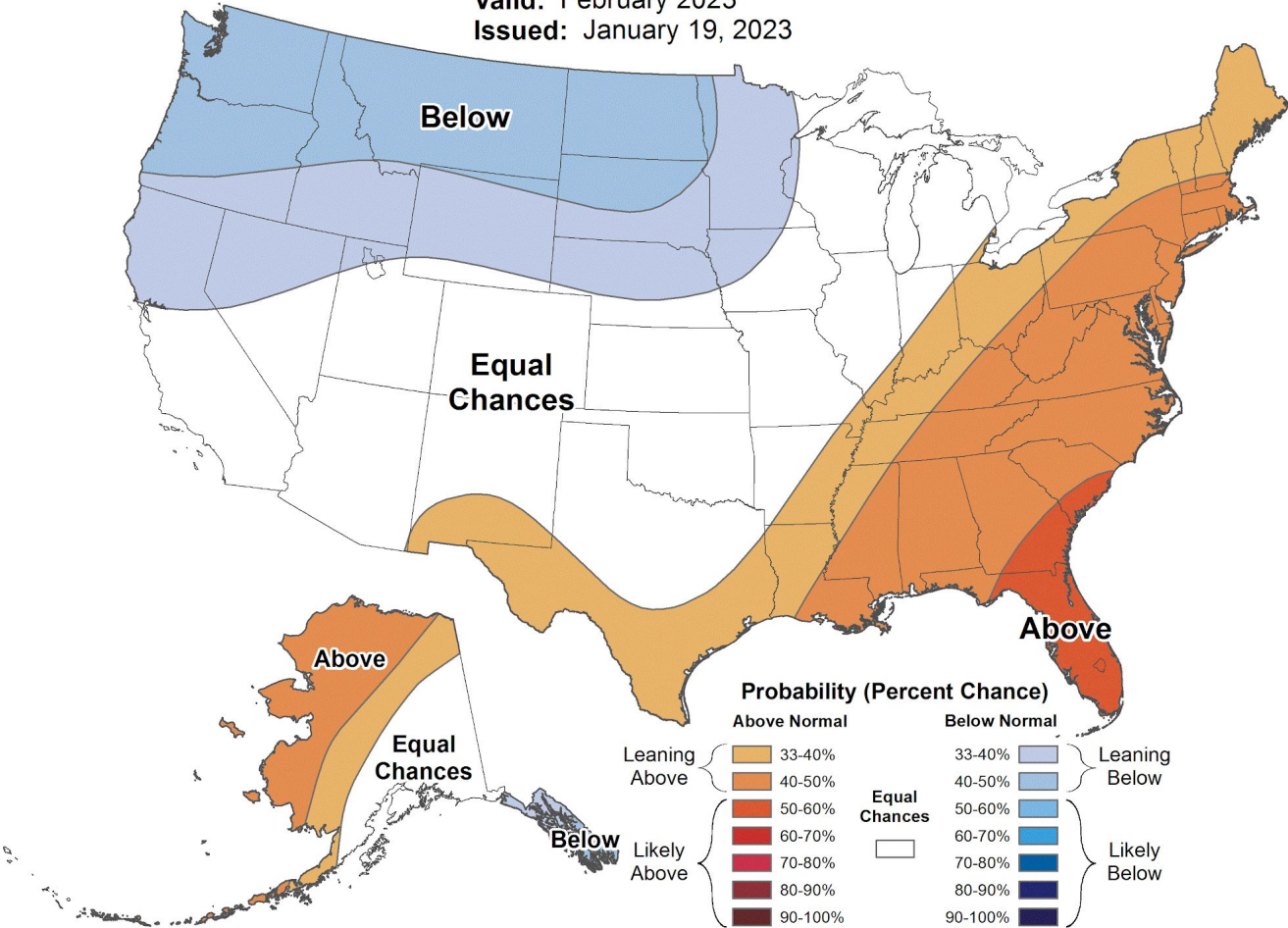
Note: this information is current as of February 9, 2023. It may change going forward.



Monthly Temperature Outlook



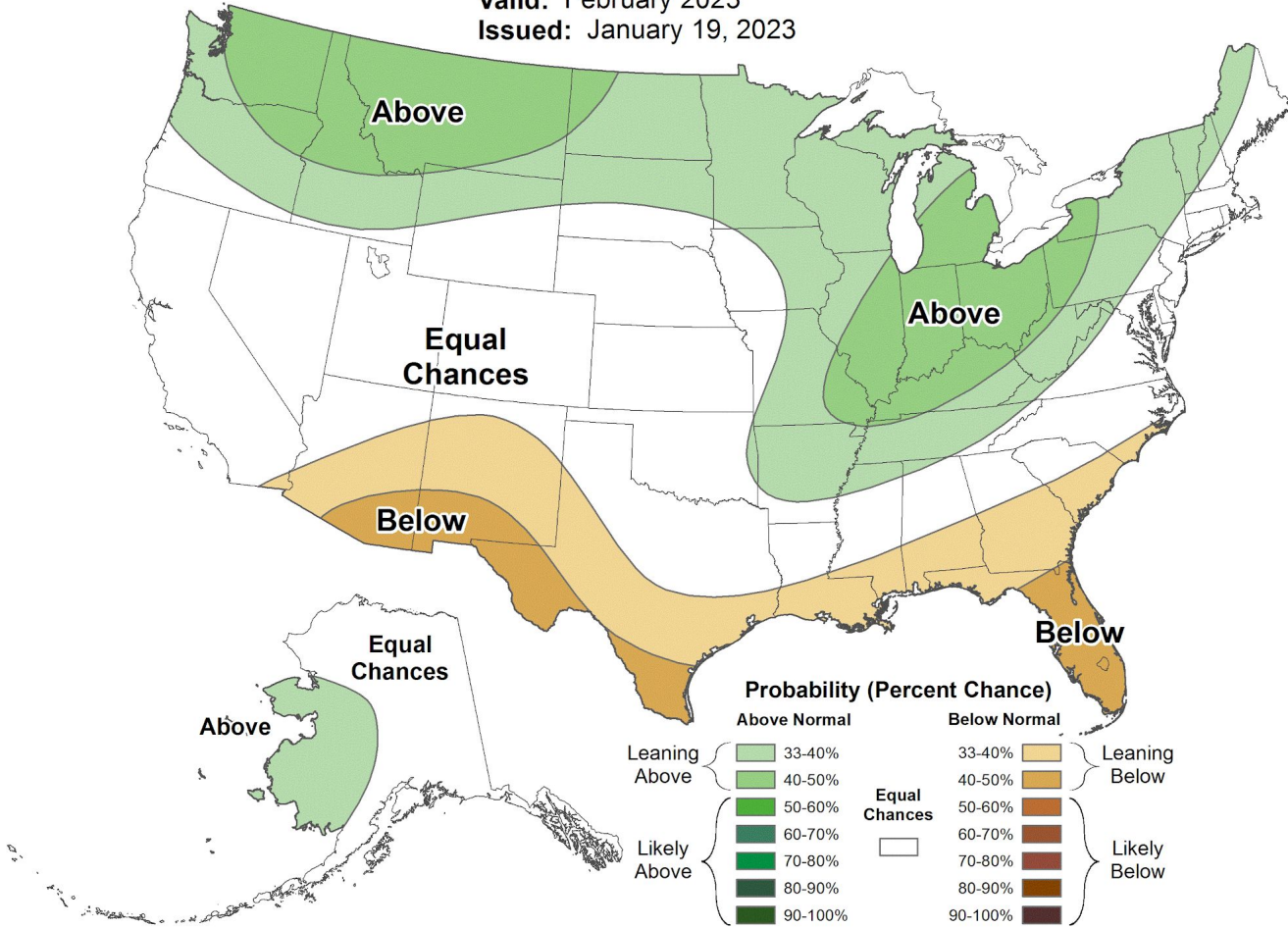
Valid: February 2023
Issued: January 19, 2023



Monthly Precipitation Outlook



Valid: February 2023
Issued: January 19, 2023





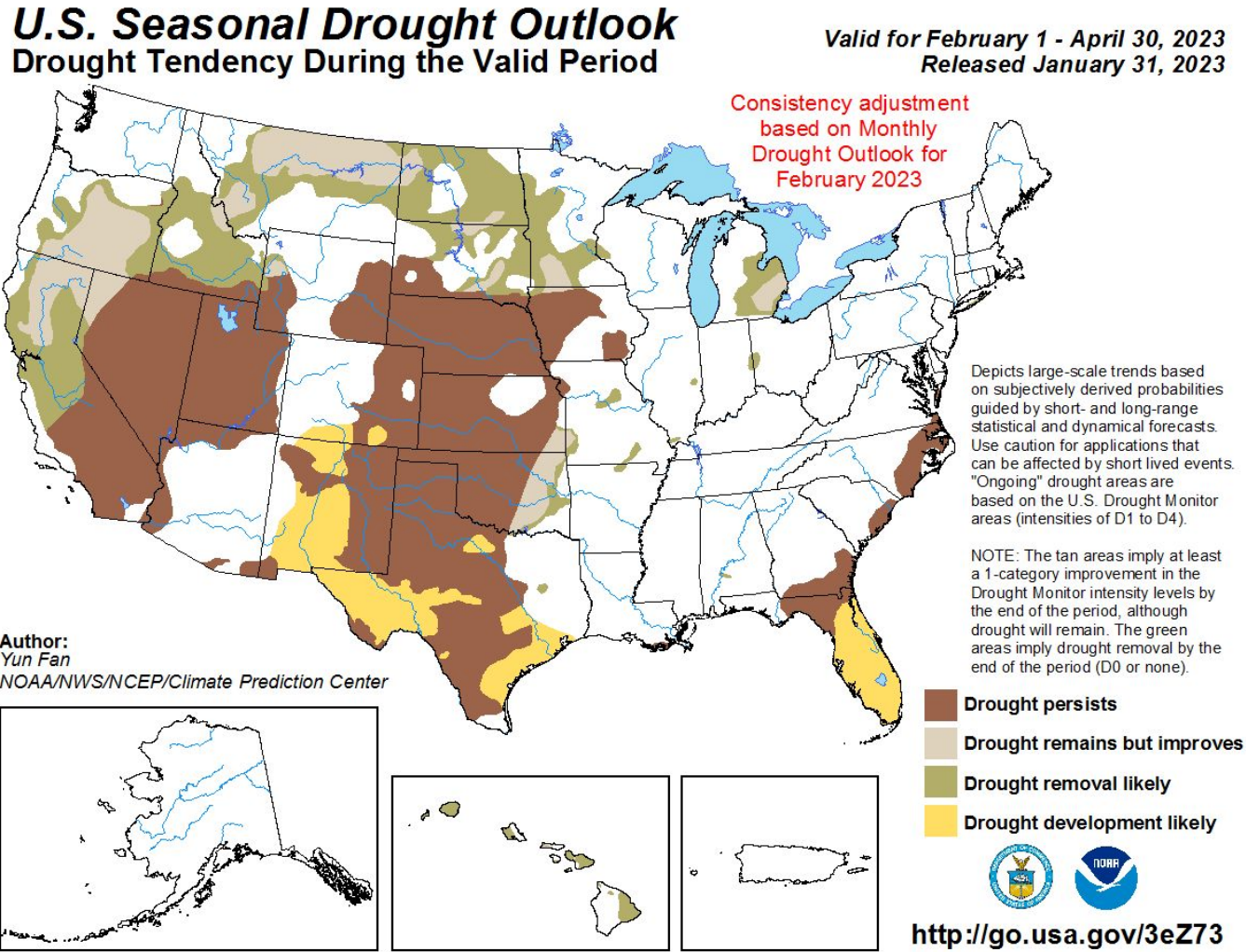
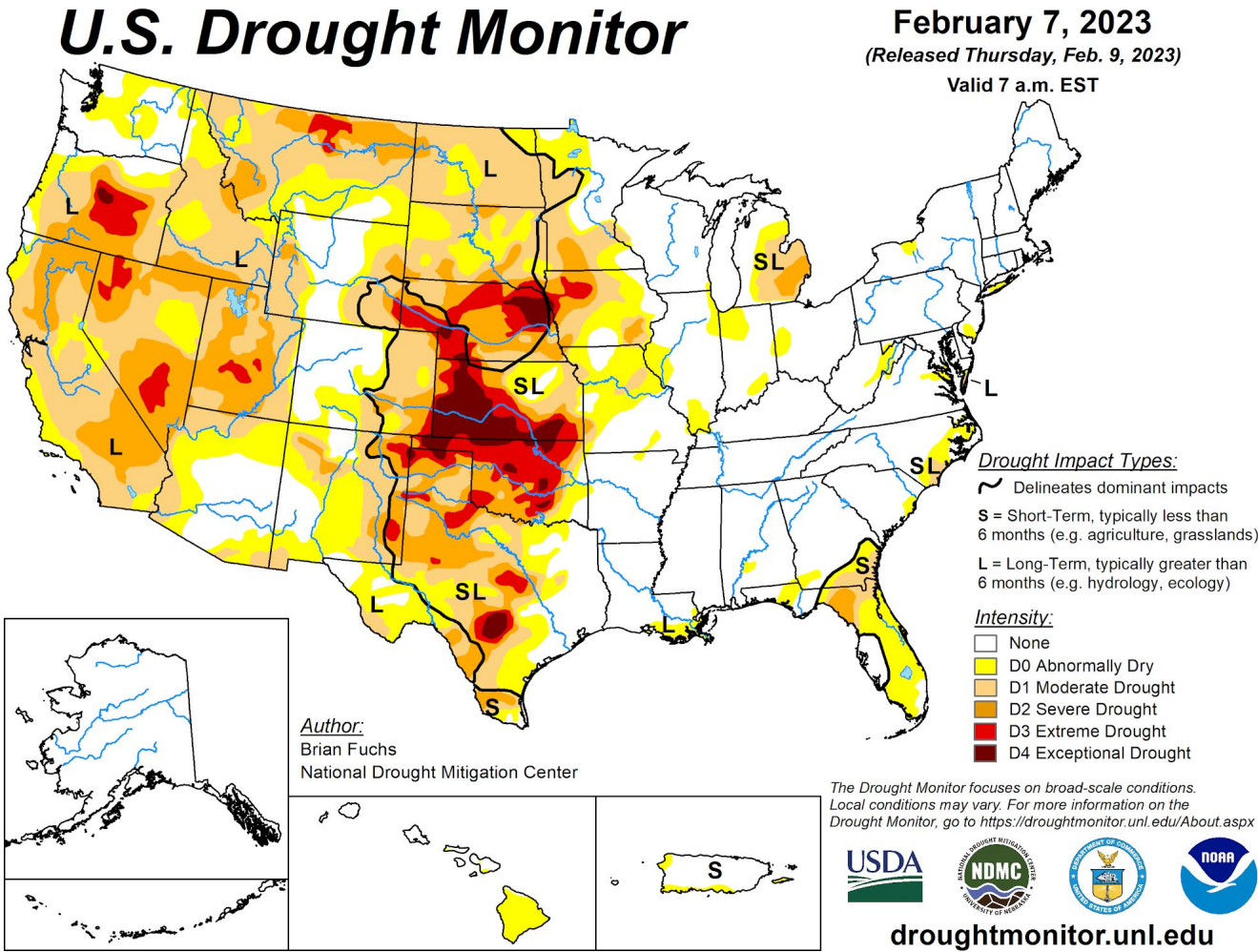
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February 9, 2023
12:50 PM

Current Drought Monitor and Seasonal Drought Outlook

Below is the current Drought Monitor and the Seasonal Drought Outlook.

Note: this information is current as of February 9, 2023. It may change going forward.





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February 9, 2023
12:50 PM

Where to Find More Details

Each NWS office serving Iowa provides its own spring flood outlook information for its own service area. Below are the websites for the NWS offices serving Iowa.

- NWS Des Moines: weather.gov/desmoines
- NWS Quad Cities, IA/IL: weather.gov/quadcities
- NWS Sioux Falls, SD: weather.gov/siouxfalls
- NWS Omaha, NE: weather.gov/omaha
- NWS La Crosse, WI: weather.gov/lacrosse

A series of three **spring flood outlooks** will be provided by each NWS office serving Iowa. Each outlook will be a text product, with possibly additional information. Below is the schedule for the outlooks. Refer to each office's website for further details.

- First outlook: February 9
- Second outlook: February 23
- Third outlook: March 9

For the latest river stage and forecast information, along with quantitative river flood outlook information, refer to the [NWS Advanced Hydrologic Prediction Service \(AHPS\) Web site](#).

